

Publications year: 2006

1. Apostolovska, G., Kostov, A., Krumov, V., Bilkina, B., Observations of Comets, *MPC* 2006 – F22, 2006 March
2. Apostolovska, G., Kostov, A., Krumov, V., Bilkina, B., Observations of Comets, *MPC* 56557, Apr. 13, 2006
3. Apostolovska, G., Kostov, A., Krumov, V., Bilkina, B., Observations of Minor Planets, *MPC* 57111, July 11, 2006
4. Aspin, C., Barbieri, C., Boschi, F., Di Mille, F., Rampazzi, F., Reipurth, B., Tsvetkov, M., The 1966-1967 Outburst of V1647 Orionis and the Appearance of McNeil's Nebula, 2006, *AJ*, **132**, 1298-1306
5. Atanasova, E., Iliev, I., Stateva, I., Barzova, I. A review of Am stars studies recently made at 2-m RCC telescope, 2006, *Bulg. Astr. J.*, **8**, 73-80
6. Atanassova, E., Stateva, I., Iliev, I., Radial velocity curve of SB2 system HD434, 2006, *ASP Conf. Ser.*, **349**, 185-188
7. Barbieri, C., Blanco, C., Bucciarelli, B., di Paola, A., Lanteri, L., Li Causi, G., Marilli, E., Massimino, P., Mottola, S., Nesci, R., Omizzolo, A., Laudi, L. M., Rampazzi, F., Rossi, C., Stagni, R., Tsvetkov, M. K., Viotti, R., The Italian and Vatican Experience to Digitize the Astronomical Photographic Archives, 2006, in *Virtual Observatory: Plate Content Digitization, Archive Mining and Image Sequence Processing*, iAstro workshop, Sofia, Bulgaria, 2005, p. 61-72
8. Belskaya, I. N., Ortiz, J. L., Rousselot, P., Ivanova, V., Borisov, G., Shevchenko, V. G., Peixinho, N., Low Phase Angles Effects in Photometry of trans-Neptunian Objects: 20000 Varuna and 19308 (1996 TO66), 2006, *Icarus*, **184**, 277-284
9. Bisikalo, D. V., Boyarchuk, A. A., Kilpio, E. Yu., Tomov, N. A., Tomova, M. T., A study of the outburst development in the classical symbiotic star Z And within the colliding-winds model, 2006, *Astronomy Reports*, **50(9)**, 722-732
10. Boeva, S., Antov, A., Semkov, E., Bachev, R., CCD Photometry of KR Aurigae in 1996-2005, 2006, *ASP Conf. Series*, **349**, 197-200
11. Bogdanovski, R. G., Tsvetkov, M. K., StarGazer - Towards the WFPDB Integration, 2006, in *Virtual Observatory: Plate Content Digitization, Archive Mining and Image Sequence Processing*, iAstro workshop, Sofia, Bulgaria, 2005 proceedings, p. 404-408
12. Bonev, T., Borisov, G., Kkostov, A., Abedin, A., Apostolovska, G., Bilkina, B., Donchev, Z., Ivanova, V., Krumov, V., Nikolov, Y., Ovcharov, E., Radeva, V., Stanev, I., Observations of Comet C/LINEAR (2004B1) between 2 and 3 AU heliocentric distance, 2006, *Bul. Astr. J.*, **8**, 169-172
13. Bonev, T., Lukarski, H., Parov, I., Neykov S, Marinkov, V., Yaramov, K., Autoguiding system for the 2-m RCC telescope of the Rozhen National Astronomical Observatory, 2006, *Bul. Astr. J.*, **8**, 201-208
14. Borisov, G., Bilkina, B., Bonev, T., Face-on look to the comet 4P/Faye with 2m-RCC telescope and 50/70-cm Schmidt telescope of the Rozhen NAO, 2006, *Bul. Astr. J.*, **8**, 173-177 (in Bulgarian)

Publications year: 2006

15. Borisova A. P., Tsvetkova, K. P. Tsvetkov, M. K., Photometric study of the FU Orionis object BBW 76 from the Bamberg Observatory Southern Sky Survey, 2006, Virtual Observatory, Plate Content Digitization, Archive Mining, Image Sequence Processing, iAstro workshop, Sofia, Bulgaria, 2005, p. 301-306
16. Christozova, N., Komitov, B., The Mars South Polar Cap Dynamics during the Great Opposition in 1924 and the Sunspot Activity, 2006, Proceedings of The International Scientific Conference "Stara Zagora 2005", pp
17. Cvetkovic, Z., Novakovic, B., Strigachev, A., Popovic, G. M., CCD Measurements of Double and Multiple Stars at NAO Rozhen. II, 2006, *Ser. Astr. J.*, **172**, 53-58
18. Deshev B., Stanchev O., Georgiev T., Revealing of convex disk profiles in LSB galaxies, 2006, *Bulg. Astr. J.*, **8**, 143-147
19. Deshev, B., Georgiev, T., Nedialkov, P., Stanchev, O., Bomans, D., A correlation between the mass of the galactic disks and the convexity of their brightness profiles, 2006, Meetings in Physics at the University of Sofia, V 6; 75-77
20. Djurašević, G., Dimitrov, D., Arbutina, B., Albayrak, B., Selam, S. O., Atanacković-Vukmanović, O., A Photometric Study of the Contact Binaries: XY Leo, EE Cet, and AQ Psc, 2006, *Public. Astron. Soc. Australia*, **23**, 154-164.
21. Dimitrov, D., Panov, K., Flare Activity of YZ CMi in 1999 – 2005, 2006, *ASP Conf. Series*, **349**, 391
22. Dimitrov, D., Panov, K. P., Photometric and Spectroscopic Study of the Ellipsoidal Variable 33 Tau, 2006, *ASP Conf. Series*, **349**, 229
23. Dimitrov, D. Panov, K., Long-term photometric study of FK Com and HD 199178, 2006, *Bul. Astr. J.*, **8**, 161-164
24. Dimitrov, D., Popov, V., Variable stars in NSVS database: 86 new variables in the region of the Andromeda Constellation, 2006, *Bulg. Astr. J.*, **8**, 165-168
25. Dimitrov, W., Kolev, D., Ligzda, P., Schwarzenberg-Czerny, A., Detached eclipsing binaries: analysis of BD -00° 3357, 2006, *Astron. Nachrichten*, **327**, 899-904
26. Doneva, D., Tsvetkov, M. K., WFPDB: Tool for Plate Index Pipeline Reduction; 2006, in Virtual Observatory: Plate Content Digitization, Archive Mining and Image Sequence Processing, iAstro workshop, Sofia, Bulgaria, 2005, p. 336-339,
27. Dumitrescu, A., Suran, M. D., Rovithis-Livanou, H., Iliev, L., Analysis of the First Ground-based Observations of the Eclipsing Binary HIP12039 (V376 And); 2006, *Rom. Astron. J.*, **16(1)**, 75-81
28. Georgiev, T., Stanchev, O., Deshev, B., Yankulov, I., Nedialkov, P., Studies of convex radial profiles of galactic disks, 2006, *Bulg. Astr. J.*, **8**, 39-47 (in Bulgarian)

Publications year: 2006

29. Glagolevskij, Yu. V., Iliev, I. Kh., Stateva, I. K., Chountonov, G. A., Spectroscopic study of the weak magnetic star HD220825 = kappa Psc, 2006, *Astrophysics*, **49**, 497-505
30. Golovnya, V. V., Yizhakevych, E. M., Sergeeva, T. P., Tsvetkova, K. P., Tsvetkov, M. K., DWA Kyiv Wide-Field Plate Catalogues; 2006, in Virtual Observatory: Plate Content Digitization, Archive Mining and Image Sequence Processing, iAstro workshop, Sofia, Bulgaria, 2005, p. 158-160
31. Golovnya, V. V., Tsvetkova, K. P., Tsvetkov, M. K., Kalaglarsky, D. G., TCA Kyiv Wide-Field Plate Catalogues Presented in the WFPDB; 2006, in Virtual Observatory: Plate Content Digitization, Archive Mining and Image Sequence Processing, iAstro workshop, Sofia, Bulgaria, 2005, p. 143-149
32. Hegedus, T., Nuspl, J., Markova, N., Markov, H., Rovithis-Livaniou, H., Vince, I., Vink?, J., 2006, First results of the Central-East-South European Binary Star Study Group (CESEB), *A&SS*, **304**, 51
33. Hegedus, T., Nuspl, J., Markova, N., Markov, H., Rovithis-Livaniou, H., Vince, I., Vink?, J., The Central-East-South-European Binary Star Group, Some First Results, 2006, *Rom. Astr. J. Sup.*, **16**, 159
34. Holl, A., Kalaglarsky, D., Tsvetkov, M., Tsvetkova, K., Stavrev, K., Interlinking between IBVS and WFPDB, 2006, in Virtual Observatory, Plate Content Digitization, Archive Mining, Image Sequence Processing, iAstro workshop, Sofia, Bulgaria, 2005, p. 374-378
35. Ilchev, L., Parov, I., Yanev, Ranev, V., Nedialkov, P., Georgiev, Ts., Steps toward development of radioastronomy in Bulgaria, 2006, *Bulg. Astr. J.*, **8**, 125-133 (in Bulgarian)
36. Iliev, I. Kh., Budaj, J., Fenovcik, M., Stateva, I. S., Richards, M. T., Abundance analysis of Am binaries and search for tidally driven abundance anomalies -- II. HD861, HD19778, HD20320, HD28749, HD96528, HD108651, 2006, *MNRAS*, **370**, 819-827
37. Iliev, I., Stateva, I., Non-evolved A- and F-type stars (lessons from the last twenty years), 2006, *Bulg. Astr. J.*, **8**, 105-110 (in Bulgarian)
38. Iliev, I., Twenty five years of Rozhen NAO – publications and dissertations, 2006, *Bulg. Astr. J.*, **8**, 35-38 (in Bulgarian)
39. Ivanova, V., Bilkina B., Observations of Comets, *MPC* No 58047, Dec. 5, 2006
40. Kirilova, D., Panayotova, M., Relaxed constraints on neutrino oscillation parameters, 2006, *Journal of Cosmology and Astroparticle Physics*, **12**, 14
41. Kirilova, D. Panayotova, M. The role of Particle Creation Processes in the Scalar Condensate Baryogenesis Model, 2006, *ICTP, Intern. report*, IC/IR,2006/009
42. Kirilova, D., Cosmological Constraints on Neutrino Oscillations - Relaxed or Strengthened, 2006, Proc. 6th Intern. Symp. Frontiers of Fundamental and Computational Physics, 26-29 September, Udine, Italy, eds. B. Sidharth, F. Honsell, A. De Angelis, Kluwer Academic Publishers, 55-59.

Publications year: 2006

43. Kizyun, L. N., Tsvetkova, K. P., Tsvetkov, M. K., Kalaglarsky, D. G., Sergeeva, T. P., Inclusion of the DSA Kyiv Wide-Field Plate Catalogues into the WFPDB, 2006, in Virtual Observatory: Plate Content Digitization, Archive Mining and Image Sequence Processing, iAstro workshop, Sofia, Bulgaria, 2005, p. 150-154
44. Koleva, K., Duchlev, P., Dechev, M., Petrov, N., Kokotanekova, J., Rompolt B., Rudawy, P., Processing of the Eruptive Prominence Images, 2006, in Virtual Observatory: Plate Content Digitization, Active Mining, Image Sequence Processing, iAstro workshop, Sofia, Bulgaria, 2005, pp. 317-322,
45. Koleva, S., Koleva, V., The Finnish Wooden Calendars and Some Aspects of Folk Knowledge in the Middle Ages, 2006, in: *Proc. of the Conf. Time and Astronomy in the Past Cultures*, Toru?, March 30 - April 1, 2005, A. Soltysiak (ed.), Warszawa - Toru?, 149-166
46. Komitov B., Nedkov I., Georgieva V., The Solar Wind and Sunspots during last~1200 Years, 2006, *Proceedings of The International Scientific Conference*, Stara Zagora 2005
47. Konstatinova-Antova, R., Iliev, L., Iliev, I., Markov, H., Kolev, D., Markova, N., Tomov, N., Summer School on Spectroscopy at Rozhen Observatory, Bulgaria, 2006, *Rom. Astr. J. Sup.*, 16, 255-256
48. Kopchev, V., Petrov, G., Nedialkov, P., Age determination of possible open clusters NGC 2383/NGC 2384 and Pismis 6/Pismis 8, 2006, *Bulg. J. Phys.*, 33. 68-72
49. Kopchev, V. Petrov, G., BV photometry of the possible binary open star cluster NGC 7031/NGC 7086, 2006, *Bul. Astr. J.*, **8**, 157-160
50. Kostov, A. Bonev, T. Bilkina, B. Krumov, V. Borisov, G. Ivanova V., 2006, Observations of small bodies with the 50/70 cm Schmidt telescope at National Astronomical Observatory, Rozhen, Bulgaria, 2006., *Bul. Astr. J.*, **8**, 179-182
51. Kostov, A., Bilkina, B., Observations of Minor Planets. *MPC*, No 56149, 2006 March 14
52. Kostov, A., Bilkina B., Observations of Comets, *MPC* 56735, May 15, 2006
53. Lara, L., Rodrigues, P., Rodrigo, R., Boehnhardt, H., Bonev, T., Borisov, G., Comet 73P/Schwassmann-Wachmann, 2006, *IAU Circ.*, **8708**
54. Mendeva, B., Gogosheva, Ts., Petkov, B., Krastev D., Comparison between the total ozone data from satellite-borne and ground-based measurements at Stara Zagora, Bulgaria. 57-th International Astronautical Congress (IAC2006), Valencia, Spain, 2-6 October 2006.
55. Mendeva, B., Gogosheva, Ts., Krastev D., Petkov, B., Spectrophotometric investigation of the atmospheric ozone over Bulgaria, 33-rd Annual European Meeting of Atmospheric Studies by Optical Methods, Kiruna, Sweden, 28 August-1 September 2006. Special IRF Report, 2008, Kiruna, Sweden.
56. Mihov, B., Slavcheva-Mihova, L., Petrov, G. Spectral observations of Seyfert galaxies with the spectrograph UAGS at the NAO Rozhen, 2006, *Bul. Astr. J.*, **8**, 49-55

Publications year: 2006

57. Mihov, B., Slavcheva-Mihova, L., Multicolour Optical Surface Brightness Profiles decomposition of the Seyfert Galaxies Mrk 79 and Mrk 279, 2006, *Bul. Astr. J.*, **8**, 139-142
58. Mineva, V., Petrov, G., Masses and rotational moments of 84 Markarian and 13 normal galaxies, 2006, *Astr. Invest. (Bulg. AS)*, **7**, 16-28
59. Nordhagen, S., Herbst, W., Williams, E. C., Semkov, E., The recurrent eclipse of the unusual Pre-Main-Sequence star HMW 15 in IC 348, 2006, *ApJ*, **646**, L151-L154
60. Ovcharov E., Nikolov Y., Georgiev T., Valcheva A., Stanev I., Kostov A., Nedialkov P., M 31 Nova Candidate, 2006, *ATel.*, 844
61. Ovcharov, E., Stanev I., Georgiev T., Nedialkov, P., M 31 Nova Candidate, 2006, *ATel.*, 973
62. Panov, K. P., Search for pulsations in B and A stars. The problem of “Maia” variables, 2006, *Roman. Astron. J.*, **16**, 155-158
63. Panov, K., Twenty five years Rozhen National Astronomical Observatory, 2006, *Bul. Astr. J*, **8**, 11-34
64. Papadaki, C., Boffin, H. M. J., Sterken, C., Stanishev, V., Cuypers, J., Boumis, P., Akras, S., Alikakos, J., Photometric study of selected cataclysmic variables, 2006, *A&A*, **456**, 599-609
65. Paunzen, E., Netopil, M., Iliev, I. Kh., Maitzen, H. M., Claret, A., Pintado, O. I., CCD photometric search for peculiar stars in open clusters. VII. Berkeley11, Berkeley94, Haffner15, Linga1, NGC6031, NGC6405, NGC6834, and Ruprecht130, 2006, *A&A*, **454**, 171-178
66. Paunzen, E., Maitzen, H. M., Pintado, O. I., Claret, A., Iliev, I. Kh., Netopil, M., Chemically peculiar stars in the Large Magellanic Cloud, 2006, *A&A*, **459**, 871-874
67. Petkova, D., Shkodrov, V., Determination of orbit of extrasolar planets system, 2006, *Com. Ren. Acad. Bul. Sci.*, **59(2)**, 115-116
68. Petkova, D. I., Shkodrov V., Extrasolar planetary systems, 2006, *Bulg. Astr. J.*, **8**, 89-96
69. Petkova, D., Shkodrov, V., About some hypothetical models on the forming of extrasolar planet systems, 2006, Annual Report of Shoumen University: Natural Sciences, v. XVI B, 2 (in Bulgarian)
70. Petrov, G., Slavcheva, L., Surface photometry of barred AGN. Wolf-Rayet galaxy NGC 6764, 2006, *Astr. Invest. (Bulg. AS)*, **7**, 76-83
71. Petrov, G., Galaxies in voids with the 2_m RCC telescope of NAO Rozhen. 2006, *Astr. Invest. (Bulg. AS)*, **7**, 32-33
72. Petrov, G., Mineva, V., Relative moment – mass” and “Absolute stellar magnitudes – maximal rotational velocity” relations for some types of Active galaxies. 2006. *Astr. Invest. (Bulg. AS)*, **7**, 3-15
73. Petrov, G., Fried, J., Kniazev, A., Studies of selected voids. Cluster Analysis of faint galaxies in

Publications year: 2006

the direction of Hercules void (1600+18), 2006, in Virtual Observatory: Plate Content Digitization, Archive Mining and Image Sequence Processing, iAstro workshop, Sofia, Bulgaria, 2005, p.285

74. Petrov G., Fried, J.W. Kniazev: A., Large Scale Structures in the Universe. Cluster analysis of faint galaxies in the direction of HERCULES void, 2006, in Virtual Observatory: Plate Content Digitization, Archive Mining and Image Sequence Processing, iAstro workshop, Sofia, Bulgaria, 2005, p. 285-300

75. Petrov N., 2006, *Novosti na BAN*, No. **9** (37), pp. 1-2 (in Bulgarian)

76. Petrov N., 2006, *Novosti na BAN*, No. **2** (30), pp. 1-2 (in Bulgarian)

77. Popov, V. N., Dimitrov, D. P., Genkov, V., FOGA 1.3 Photo Guiding System for the Coude Focus of the 2-m Telescope of NAO Rozhen, 2006, *Bulg. Astr. J.*, **8**, 111-115 (in Bulgarian)

78. Petrov, P., Petrov, G., Petrova, J., Georgiev, Ch., Control of the weld pool formation during electron beam welding dissimilar materials, 2006, Proc. of the VIIth International conference "Advanced manufacturing operations", September 2006, Sozopol, Bulgaria, p. 201

79. Puls, J., Markova, N., Scuderi, S., Stanghellini, C., Taranova, O. G., Burnley, A. W., Howarth, I. D., Bright OB stars in the Galaxy. III. Constraints on the radial stratification of the clumping factor in hot star winds from a combined H alpha, IR and radio analysis, 2006, *A&A*, **454**, 625-651

80. Prinja, R. K., Markova, N., Scuderi, S., Markov, H. The superimposed photospheric and stellar wind variability of the O-type supergiant Camelopardalis, 2006, *A&A*, **457**, 987-994

81. Semkov, E. H., VRI Light Curve of V1647 Ori in the Period August 2004 - November 2005, 2006, *IBVS*, No 5683

82. Semkov, E., GRB 060218/SN 2006aj: optical observations at Rozhen Observatory, 2006, *GCN Circ.* No. 4932

83. Semkov, E., H., Photometric and spectroscopic variability of the pre-main-sequence star V 1184 Tauri (CB 34V), 2006, *Astron. Nachrichten*, **327**, 328-334

84. Semkov, E., GRB 060218 (SN 2006aj): IR afterglow detection six months after the burst, 2006, *GCN Circ.* No. 5358

85. Semkov, E., Photometric observations of PMS stars with the telescopes of NAO Rozhen, 2006, *Bulg. Astr. J.*, **8**, 81-88

86. Sergeeva, T. P., Golovnya, V. V., Yizhakevych, E. M., Kizyun, L. N., Pakuliak, L. K., Shatokhina, S. V., Tsvetkov, M. K., Tsvetkova, K. P., Sergeev, A. V., MAO NAS of Ukraine Plate Archives: Towards the WFPDB Integration, 2006, in Virtual Observatory: Plate Content Digitization, Archive Mining and Image Sequence Processing, iAstro workshop, Sofia, Bulgaria, 2005, p. 124-128

87. Slavcheva-Mihova, L., Mihov, B., Petrov, G., Adaptive Filter Applications in Surface Photometry of Galaxies, 2006, in Virtual Observatory: Plate Content Digitization, Archive Mining and Image Sequence Processing, iAstro workshop, Sofia, Bulgaria, 2005, p. 311-316

Publications year: 2006

88. Stanchev O., Deshev B., Nedialkov P., Georgiev T., Scaling relations and fundamental plane of the spiral galaxies in the J-band, 2006, *Bulg. Astr. J.*, **8**, 149-156
89. Stanishev, V., Kraicheva, Z., Genkov, V., Photometry of the SW Sextantis-type nova-like BH Lyncis in high state, 2006, *A&A*, **455**, 223-226
90. Sulentic, J. W., Dultzin-Hacyan, D., Marziani, P., Bongardo, C., Braitto, V., Calvani, M., Zamanov, R., Low Redshift BAL QSOs in the Eigenvector 1 Context, 2006, *RMxAA*, **42**, 23-32
91. Tomov, N., Tomova, M., H-alpha observations of the symbiotic binary system Z And during its 2006 outburst, 2006, *Bulg. Astr. J.*, **8**, 67-72
92. Tsvetkov, M., Wide-Field Plate Database: a Decade of Development, 2006, in Virtual Observatory: Plate Content Digitization, Archive Mining and Image Sequence Processing, iAstro workshop, Sofia, Bulgaria, 2005, p. 10-41.
93. Tsvetkova, K. P., Tsvetkov, M. K., Heber, U., Bogdanovski, R. G., Kalaglarsky, D. G., Bamberg Northern Sky Survey: Catalogue and Incorporation into the WFPDB, 2006, in Virtual Observatory: Plate Content Digitization, Archive Mining and Image Sequence Processing, iAstro workshop, Sofia, Bulgaria, 2005, p. 109-114
- . 94. Tsvetkova, K. P., Tsvetkov, M. K., Catalogue of Wide-Field Plate Archives: Version 5.0, 2006, in Virtual Observatory: Plate Content Digitization, Archive Mining and Image Sequence Processing, iAstro workshop, Sofia, Bulgaria, 2005, p. 45-53
95. Umlenski, V., On the beginning of the Christian era (A.D.) and the miscount of Dionysius. 2006, *Bulg. Astr. J.*, **8**, 135–138
96. Zamanov, R., Boer, M., Coroller, H. Le, Panov, K., Photometry of RS Oph after the 2006 – Outburst, 2006, *IBVS*, 5733, 1-4
97. Zamanov, R., Panov, K., Boer, M., Coroller, H. Le, RS Oph – disappearance of optical flickering after the outburst, 2006, *A.Tel.*, No.832.
98. Zamanov, R. K., Bode, M. F., Melo, C. H. F., Porter, J., Gomboc, A., Konstantinova-Antova, R., Rotational velocities of the giants in symbiotic stars - I. D'-type symbiotics, 2006, *MNRAS*, **365**, 1215-1219
99. Колева В., Българските дървени календари, 2006, в: 20 години Съюз на учените в България - клон Смолян. Доклади от Национална научна конференция с международно участие, Смолян, 20-21 октомври, 829-843.